1) A can do a work in 14 days. And working together A and B can do the same work in 10 days. In what time can B alone do the work.

0.125 days 6.130.days 0123.days 128 35.days

A+B = 1/10

A=YIH

YIN + BE TO

B= 10-14

B = 14-10

 $B = \frac{1}{140}$ => $B = \frac{2}{70}$ => $B = \frac{1}{35}$ >> 35 doys

2) Manu, Marju and Maya Can do a work in 90,30,45 traspectuely. If they work together, in how many day, will takey complete a work? C120 d125.

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come of the state of the second second second continued to all the pro- but

at 15 6:110

 $\frac{1}{90} + \frac{1}{30} + \frac{1}{45} = 3 + \frac{1}{45} = \frac{1}{40} = \frac{24}{30} = \frac{1}{15}$

(15 days)

3.) Ho man can catch 200 Sharks in 20 days working 6 hours por day. In how many days 25 men can catch 300 sharks working 4 hours per day?

a. 30 b. 34 [CAR4 d.] 20.

40 mm -> 200 Shark >> 20x6 = 120 ATS 25 mm -> 300 Shark >> ? x4 = ? I men can catch $\frac{200}{40}$ = 5 sharks in 20 days of 6hrs working

25men can (25×5) = 125 sharps in 20 days of 6 kms working

 $1 \text{ then } \Rightarrow \frac{5}{120} \text{ in } 1 \text{ the } \Rightarrow \frac{1}{24}$

25 men par > 1 x25 = 25

D>=? H1=6 hours MI=40, M2= 25 DI= 20 days

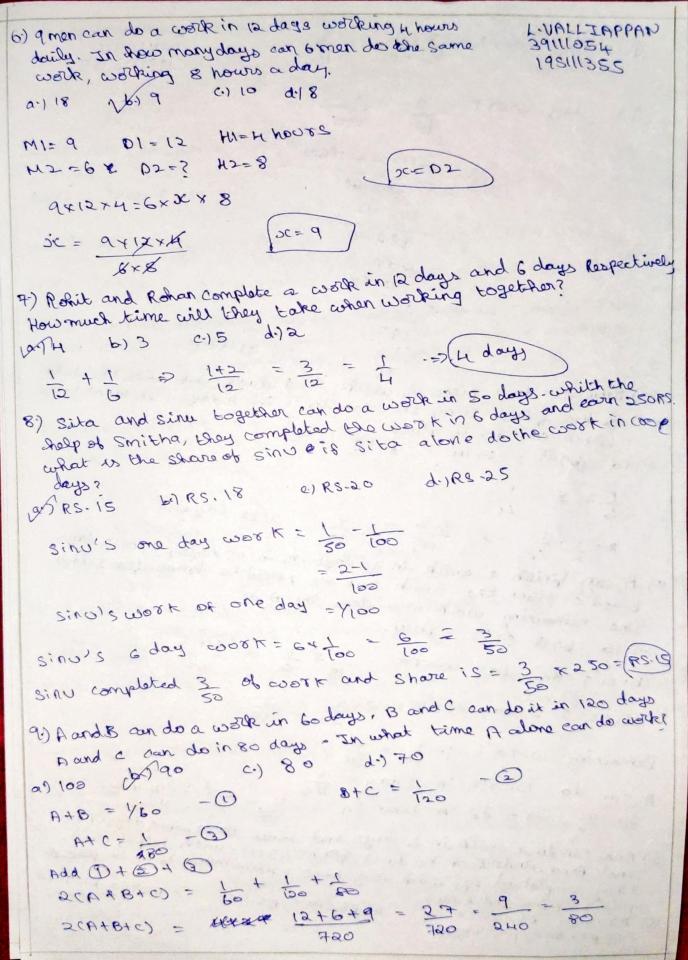
H2 = 4 hours w1 = 200 Shark

W2 = 300 Shook

LUALLIAPPAN MIDIMI = M202 hz 193111355 10 HOYZOXB = 25×62×A1 The second secretary 600 = 25 02 02 = 600 = (24) 4) Amit and Manthu can do a work in 15 days and 25 days respectively Amit Skarted the work and left after 3 days. Ananthu took oug and completed the work. In how many days work completed d.1 25. days totally. c123 days 0-128 days b) 20 days Amit I day work = Y15 Avantho I day work = 1/25. Amit 3 day work = 415 x3 = 15 work left of amit= 1-1= 4 4x5 = 20 days. 4 done by Ananthu = 4 x \$ 285 20+3=23 days. 5) If A is thrice as fast as B and together can do a work in 21 days. In show many days A alone can do the work?

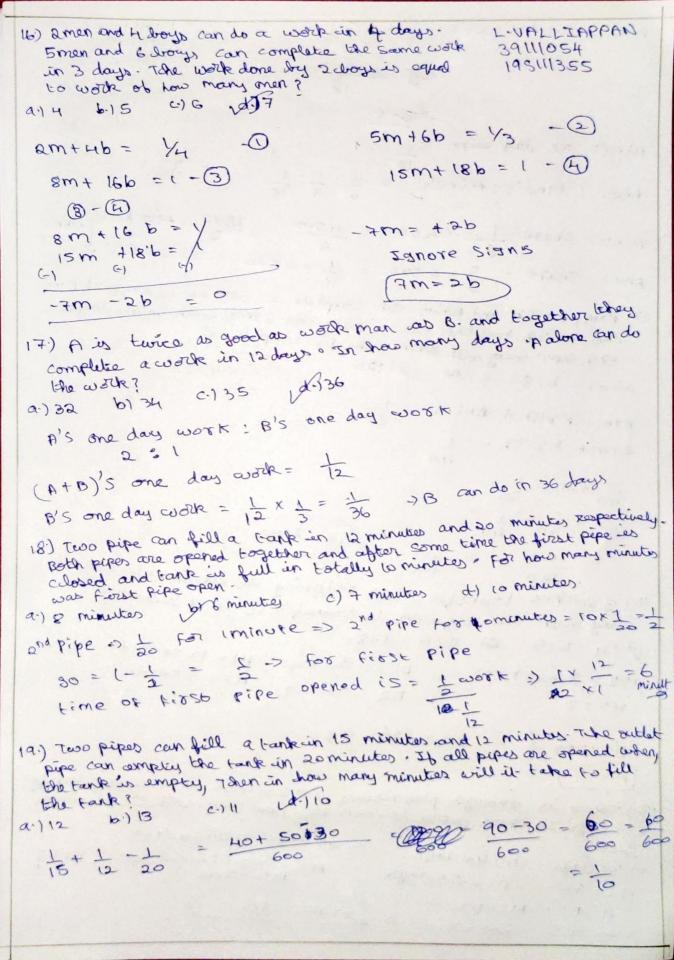
a) 36 b) H2 (c) 28 d) 54. n's one days work = Ye B'S one days work = 1 HITB ONE day work) I + I = I $\frac{3+1}{3\infty} = \frac{1}{21}$ 3x = 1 one day work => X= · 21×4 {28} 44 B, 2

39111054



L-VALL I APPAN (A+B+c)'S coork = 3x1 = 3 80x2 = 160 39111054 195111355 M's I day work = 3 -1 = 3(120) - .160 120×160 = 360 -160 19200 = 260 19200 192 c (aldays - 1 (i) Renu can do a piece of work in 6 days, but writer the help of her friend sum, she can do It in 4 days. In what time soma can do it alone. a-110 1512 0114 1-115 1+ 2 = 1 6 $\alpha = \frac{1}{h} - \frac{1}{6} = \frac{3-2}{12} = \frac{1}{12}$ 11) A can finish a work in so days, B in 15 days, C in 12 days B and C Stark the work but are forced (8 heave after 2 days The termaining work was done by A is a) 10 6711 e713 July. (Brc/s one day work = 15+ 12 = H+5 = 9 = 3 (B+c1's 2 day work = 2+3 = 3 Remaining work = 1-3 = 7 A can do work in 1 day = 1 so to work of A done in = to x 20 = (in day) 12.) Arm can do a coste in 6 days and brince alone in 9 days. Arm and Bine undertook to do it for RS-4500 - with help of mine, Long completed the work in 3 Loyd - How much is to be paged gaid to prine and Amu? C) RS. 950, RS. 2000 b) RS.2000, RS-750 B) RS .750 , RS. 2250 di) RS. 800, RS. 1250

3-68-19 minu's one day work = L-NUTTUBBUD 39111054 195111355 -G 6-3-1 18 = 6-5 minu's one day work = 18 Anu's: BTNU'S: Minu's = 1:1:1 > minu's share = 1 × 4500 = 4500 = 1500 = 750 RS. 2 ->Ans Anu's Share = 3 x 4 500 = 1 x 4 500 = 2250 RS J coer 13) Ram, Krish and Bhim can complete a costs in 30 days. If Ram and Krish together can complete the some owalk in 40 days, then how long will shim take to complete is. a)60 b)80 c)100 M120 Ram+ Krish + Bhim = 1 Ram + Krish = 1 10 + oc = 1 40 x= 10- 40 = (120 days) (4) 3. workers transfer a tool weighing 120 kg in 12 Seconds. How many men are required to transfer It in a seconds? 19074 b.15 C-16 9-18. MI = 3 workers DI = 120 kg HI = 12 seconds H2= 9 seconds D2 = 120 Kg M2=? 18x 126x 12 = M2x 126x 931 (M2=4) 15.) Tabre is change provisions for 600 men in an army camp for Q5. days. It there were 300 men loss, How long will the provision cy 45 days varisodays last ? b.) Ho days M2 = 600 - 300 = 300 02=7 a) 35 days P1= 25days M 1 = 600 MIXDI = M2xD2 > x=02=50 = 306 x x 2 600 725



20) pipe A can fill a tank in 12 hours. Due to a look L. VALLIAPPAN at the bottom it takes 20 hours to fill the 3911(054 tank. In what time the look abone can empty 193111355 the full tank?

Chall hours b) 23 hours (2) 28 hours 1/21 30 hours a.) 18 hours b) 23 hours (2) 28 hours 1/21 30 hours

$$\frac{1}{12} \cdot \frac{1}{5c} = \frac{1}{20}$$

$$\frac{1}{x} = \frac{1}{20} = \frac{1}{12}$$

$$\frac{1}{x} = \frac{1}{20} = \frac{1}{20}$$

$$\frac{1}{x} = \frac{1}{20} = \frac{1}{20}$$

$$\frac{1}{x} = \frac{1}{30} = \frac{1}{30}$$

$$\frac{1}{x} = \frac{1}{30} = \frac{1}{30}$$

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$$\frac{1}{x} = \frac{1}{30} = \frac{1}{30}$$